

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2005/028606

**A. CLASSIFICATION OF SUBJECT MATTER**  
H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/049672 A (CISCO TECHNOLOGY, INC) 10 June 2004 (2004-06-10) page 4, line 24 - page 7, line 21 page 9, line 8 - page 20, line 7; figures 4,7,8	1-12
A	WO 00/62507 A (GENERAL INSTRUMENT CORPORATION; MEDVINSKY, SASHA) 19 October 2000 (2000-10-19) page 3, line 4 - page 6, line 11; figure 2 ----- -/-	1-12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

14 February 2006

Date of mailing of the international search report

24.02.06

Name and mailing address of the ISA/  
European Patent Office, P.O. 5818 Patentkanal 2  
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## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SIRBU M A ET AL: "Distributed authentication in Kerberos using public key cryptography" NETWORK AND DISTRIBUTED SYSTEM SECURITY, 1997. PROCEEDINGS., 1997 SYMPOSIUM ON SAN DIEGO, CA, USA 10-11 FEB. 1997, LOS ALAMITOS, CA, USA, IEEE COMPUTER. SOC, US, 10 February 1997 (1997-02-10), pages 134-141, XP010216170 ISBN: 0-8186-7767-8 paragraph '1.1.! - paragraph '2.4.!	1-12
A	CHARLES PERKINS NOKIA RESEARCH CENTER DAVID B JOHNSON CARNEGIE MELLON UNIVERSITY: "Route Optimization in Mobile IP" IETF STANDARD-WORKING-DRAFT, INTERNET ENGINEERING TASK FORCE, IETF, CH, vol. mobileip, no. 11, 6 September 2001 (2001-09-06), pages 1-25, XP015023443 ISSN: 0000-0004 paragraph '00B.!	1-12
A	US 2003/233541 A1 (FOWLER STEPHAN ET AL) 18 December 2003 (2003-12-18) paragraph '0007! - paragraph '0209!; figures 2,3	13,14
A	SIMON X ET AL: "A cryptographic protocol to obtain secure communications in extended Ethernet environment" LOCAL COMPUTER NETWORKS, 1992. PROCEEDINGS., 17TH CONFERENCE ON MINNEAPOLIS, MN, USA 13-16 SEPT. 1992, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 13 September 1992 (1992-09-13), pages 254-261, XP010030804 ISBN: 0-8186-3095-7 paragraph '003.! - paragraph '004.!!; figures 3-1	13,14
A	CLIFFORD NEUMAN USC-ISI TOM YU SAM HARTMAN KEN RAEBURN MIT: "The Kerberos Network Authentication Service (V5)" IETF STANDARD-WORKING-DRAFT, INTERNET ENGINEERING TASK FORCE, IETF, CH, vol. krb, no. 7, 7 September 2004 (2004-09-07), pages 1-50, XP015038487 ISSN: 0000-0004 paragraph '1.6.! - paragraph '2.9.1.!!	13,14

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

Associating derivative session tickets with a client node  
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2. claims: 13-14

Renewing session expiration dates  
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2005/028606

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004049672	A	10-06-2004	AU 2003294330 A1	18-06-2004
			CA 2506670 A1	10-06-2004
			EP 1563668 A2	17-08-2005
			US 2005025091 A1	03-02-2005
WO 0062507	A	19-10-2000	AT 313200 T	15-12-2005
			AU 4079200 A	14-11-2000
			AU 4213600 A	14-11-2000
			CA 2365856 A1	19-10-2000
			CA 2370471 A1	19-10-2000
			CN 1127835 C	12-11-2003
			EP 1171989 A2	16-01-2002
			EP 1169833 A1	09-01-2002
			HK 1045917 A1	10-09-2004
			WO 0062519 A2	19-10-2000
US 2003233541	A1	18-12-2003	NONE	